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## Product Datasheet

### Human EG-VEGF protein, GST tag (active), Unconjugated GTX00186-PRO

Article Name	Human EG-VEGF protein, GST tag (active), Unconjugated
Biozol Catalog Number	GTX00186-PRO
Supplier Catalog Number	GTX00186-pro
Alternative Catalog Number	GTX00186-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">84432</a>
UniProt	<a href="#">P58294</a>
Buffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	Full length protein, N-terminal GST-Tag, Met1~Phe105 (NP_115790.1)

Application Notes

Endothelial gland-derived VEGF (EG-VEGF) is an angiogenic protein that is structurally unrelated to VEGF. It is expressed in steroidogenic tissues such as adrenal gland, ovary, testis, and placenta. Like VEGF it can induce fenestrae in endothelial cells. To test the effect of EG-VEGF on cell proliferation of ECV-304 endothelium cell line, cells were seeded into triplicate wells of 96-well plates at a density of 5000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of EG-VEGF. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10  $\mu$ l of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37C.